

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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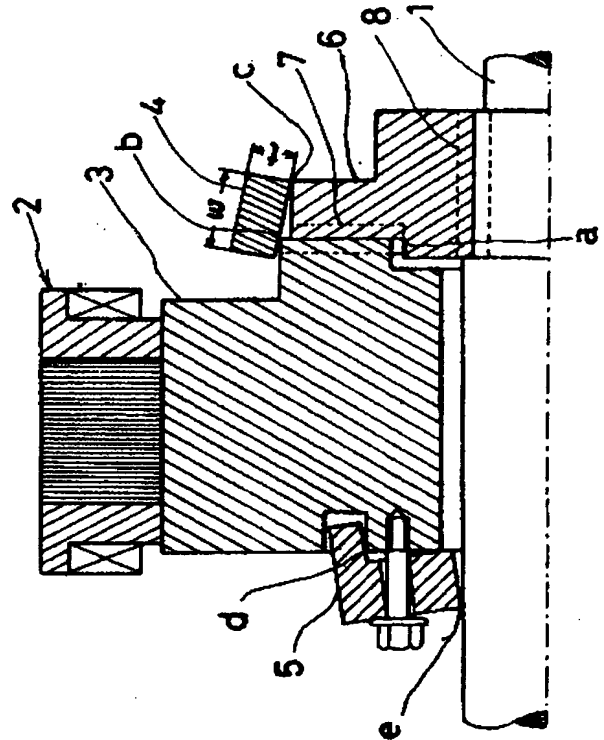
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APPLICANT : SHINKO ELECTRIC CO LTD;

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TITLE : ROTOR FOR ROTARY ELECTRIC  
MACHINE



**ABSTRACT :** **PURPOSE:** To prevent the oscillation of a revolving yoke as well as to remove the vibration of the subject rotor by a method wherein the revolving yoke is installed on a rotating shaft by providing a void, and an annular collar is fitted at both ends of the revolving yoke.

**CONSTITUTION:** The revolving yoke 3 is installed on the rotating shaft 1 by providing a void between them, annular collars 4 and 5 are fitted at both ends of the revolving yoke 3 to prevent the oscillation in radius direction of the revolving yoke, a coupling 6 is press-fitted to the rotating shaft 1 and the revolving yoke 3 is coupled by faucet joint (a). Also, in between the revolving yoke 3 and the coupling 6, a plurality of radial keys 7 are inserted in radial direction. Besides, a key 8 is inserted between the coupling 6 and the rotating shaft 1. The collar 4 is engaged by shrinkage-fitting between the revolving yoke 3 and the coupling 6, and the collar 5 is fitted to the revolving yoke 3 and the rotating shaft 1. Through these procedures, the oscillation of the yoke can be prevented and the vibration thereof can also be removed.

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